



## 2009 AGU Fall Meeting

14-18 December 2009, San Francisco, California, USA

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**CONTROL ID:** 713101

**TITLE:** Transitioning Models and Model Output to Space Weather Operations: Challenges and Opportunities

**PRESENTATION TYPE:** Assigned by Committee

**SECTION/FOCUS GROUP:** SPA-Aeronomy (SA)

**SESSION:** Enabling Research to Operations in Space Weather (SA11)

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**Title of Team:**

**ABSTRACT BODY:** The transition of space weather models or of information derived from space weather models to space weather forecasting is the last step of the chain from model development to model deployment in forecasting operations. As such, it is an extremely important element of the quest to increase our national capability to forecast and mitigate space weather hazards. It involves establishing customer requirements, and analyses of available models, which are, in principle, capable of delivering the required product. Models will have to be verified and validated prior to a selection of the best performing model. Further considerations include operational hardware, and the availability of data streams to drive the model. The final steps include the education of forecasters, and the implementation on gateway hardware prior to operational use. This presentation will provide a discussion of opportunities for rapid progress from the viewpoint of the Community Coordinated Modeling Center.

**INDEX TERMS:** [7959] SPACE WEATHER / Models, [7924] SPACE WEATHER / Forecasting, [7974] SPACE WEATHER / Solar effects, [7999] SPACE WEATHER / General or miscellaneous.

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